

In the Claims:

Please amend claims 1, 10-13, and 27, and cancel claims 2-3, all as shown below.

1. (Currently Amended): A computer program product including a storage medium with instructions thereon for execution by a computer for high level dynamic code generation, the instructions comprising:

a) computer code for creating a class file container object that stores source code describing a class;

b) computer code for adding a first source code defining a method to the class stored in the class file container object, wherein creating a class file container object includes selecting a class name and a super class for the class;

c) computer code for adding a second source code into the method in the class stored in the class file container object;

d) computer code for repeating instructions b and c to populate the class stored in the class file container object;

e) generating a tree of statements and expressions based on the class stored in the class file container object;

f) computer code for using the tree of statements and expressions to generate byte code for the class; and

g) computer code for instantiating an instance of the new class file object;
wherein the computer program product can generate code for any type of JavaTM program.

2 – 9. Canceled

10. (Currently Amended): The computer program product of claim 1 wherein the ~~program~~
computer code implements an adaptor class.

11. (Currently Amended): The computer program product of claim 1 wherein the ~~program~~
computer code implements a proxy class.

12. (Currently Amended): The computer program product of claim 1 further comprising
~~program~~ computer code for:

repeatedly adding a method to the class stored in the class file container object for each
method associated with a stub generated for a remote object.

13. (Currently Amended): The computer program product of claim 12 wherein the ~~program~~
computer code for repeatedly adding a method to the class stored in the class file container object for
each method associated with a stub generated for a remote object includes program code for:

determining a number of methods associated with the stub in a remote interface.

14 - 15. Canceled

16. (Previously Presented): The computer program product of claim 1 wherein the tree of
statements and expressions represents at least one method, the at least one method comprising at
least one of: a code statement, an expression, a variable and a programming construct.

17. (Previously Presented): The computer program product of claim 1 wherein the tree of statements and expressions forms a known structure or interface when the class is a known type.

18. (Previously Presented): The computer program product of claim 17 wherein the tree of statements and expressions forms a known structure when the class is at least one of an adapter and a proxy type.

19 - 24. Canceled

25. (Previously Presented): The computer program product of claim 1, wherein the dynamically generated code is used for remote method invocation skeletons, remote method invocation stubs, wrappers for database connections, and proxies used to enforce call-by-value semantics.

26. (Previously Presented): The computer program product of claim 1, wherein dynamically generated code exists for the life of a server it resides upon.

27. (Currently Amended): The computer program product of claim 1, further comprising computer code for generating executable code from the byte code by using a class loader.